

Avinash Prabhakaran

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<https://avinashkz.github.io>

EMPLOYMENT

STANDARD CHARTERED GBS INDIA | 1 YEAR + (2016-17) | Analyst

Worked as part of Identity and Access Management (IAM) & Global Information Security (GIS) teams to integrate business-critical applications to Oracle Identity Governance and SailPoint Identity IQ to automate user restrictions and prevent data leakage in Agile model.

PROJECTS

GESTURE CONTROLLED WALL CLIMBING ROBOT | Group Project | 2015-2016

The robot was built using custom hardware with Arduino programmed by C++ used as its brain. The robot is maneuvered using Gesture control. It finds applications in high-rise buildings, hazardous industrial environments and the like for reconnaissance, surveillance, etc.

VIRTUAL SELF DRIVING CAR | 2017

The model implemented using Python & Keras normalizes the extracted images and propagates it into the Convolutional NN for feature extraction. Then, a Dropout layer is used to alleviate overfitting and the resultant array is flattened and fed into a fully connected NN to compute the output.

POWERING AI TO PLAY DOOM IN OPENAI GYM | 2017

The preprocessed images of AI playing doom from OpenAI Gym API was input into the Deep Learning model developed using Python & PyTorch. The model implemented Deep Convolutional Q-learning along with Experience Replay and Eligibility Trace to train the model to beat the game.

WWW.PKBALAKRISHNAN.COM | 2016

Developed a responsive website using Bootstrap, HTML and CSS. For the back-end, PHP is used to interface with the MySQL database. The website gives a glimpse into the works of PK Balakrishnan, a well-known author and journalist of Kerala.

EDUCATION

A-LEVEL | Haultieu School, Jersey, UK

Graduated : August 2011 | Board: OCR | Percentage: 78.83%

BACHELOR OF TECHNOLOGY | Federal Institute Of Science And Technology, India

Electrical & Electronics Engineering | June 2016 | M G University | CGPA: 7.92

MASTER OF DATA SCIENCE | University of British Columbia, Vancouver

Graduation : June 2018

• ONLINE COURSES

ARTIFICIAL INTELLIGENCE A-Z: LEARN HOW TO BUILD AN AI | Udemy

COMPUTER SKILLS AND LANGUAGES

• TECHNICAL SKILLS

- **Data Science & Data Visualization**
Python, R, NumPy, Pandas, Matplotlib, Seaborn
- **Deep Learning & Machine Learning**
Scikit-learn, Tensorflow, PyTorch, Linear & Logical Regression, KNN, Decision Trees, Random Forests, K Means Clustering, SVM, Recommender Systems, Natural Language Processing.
- **Web Development**
HTML5, CSS3, JavaScript, Bootstrap, jQuery, PHP, MySQL.

• LANGUAGES

- **Speaking Fluency:**
English, Malayalam, Hindi, Tamil

• PROGRAMMING LANGUAGES

- **Proficient:**
Python, R, SQL, Shell
- **Prior Experience:**
C, C++, Java, JavaScript

REFERENCE

RAJKUMAR MANI | Senior Test Manager, Standard Chartered GBS India

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